



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

Peetz Windows and Doors, Inc.
15951 SW 41 Street - Suite 150
Weston, FL 33331

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Concealed Spiral Balance" Wood Single & Double Hung Windows – L.M.I.

APPROVAL DOCUMENT: Drawing No. **1508** titled "Wood Double & Single Hung Impact Window with Concealed Spiral Balance System" sheets 1 through 6 of 6, dated 12/06/06 with revision A1 dated 10/20/11, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews** NOA # **07-0403.09** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 11-1109.02
Expiration Date: July 05, 2017
Approval Date: February 16, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1508** titled "Wood Double & Single Hung Impact Window with Concealed Spiral Balance System" sheets 1 through 6 of 6, dated 12/06/06 with revision A1 dated 10/20/11, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of a wood double & single hung window with spiral balance system, marked-up by Hurricane Test Laboratory, LLC Test Report No. **HTL-0284-1110-06**, dated 12/11/06-01/25/07, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA# 07-0403.09)

C. CALCULATIONS:


1. Anchor verification calculations and structural analysis, complying with FBC-2007 and 2010, dated 01/29/07, revised and updated on 10/14/11, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **08-1224.04** issued to Solutia, Inc. for their "**Saflex Composites Glass Interlayer with PET Core**" dated 02/25/09, expiring on 12/11/13.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-1109.02
Expiration Date: July 05, 2017
Approval Date:

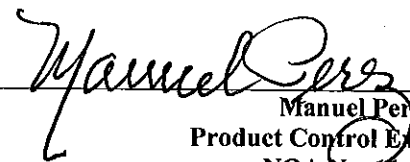
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2007 and FBC-2010, dated 10/20/11, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated 10/19/11, signed and sealed by Warren W. Schaefer, P.E.
3. Laboratory compliance letter for Test Report No. **HTL-0284-1110-06**, issued by Hurricane Test Laboratory, LLC, dated March 27, 2007, signed and sealed by Vinu J. Abraham, P. E.

G. OTHERS

1. Notice of Acceptance No. **07-0403.09**, issued to Peetz Windows and Doors, Inc. for their Wood Double & Single Hung Impact Windows With Concealed Balance System", approved on 07/05/07 and expiring on 07/05/12.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-1109.02

Expiration Date: July 05, 2017
Approval Date: February 16, 2012

GENERAL NOTES:

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
11. ALL WOOD MEMBERS OF WINDOWS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

CORNER CONSTRUCTION:

FRAME CORNERS:

COPED, BUTTED, JOINED WITH 3 NO. 14 X 3" SCREWS, AND GLUED WITH BINDAN D4 OR EQUIVALENT

SASH CORNERS:

MULTI-FORKED, BUTTED, & GLUED WITH BINDAN D4 OR EQUIVALENT

ALLOWABLE DESIGN PRESSURE

+/- 75 PSF

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SHEAR SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	1/4-14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	1/4-14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	1/4-14 SELF TAP/DRILLING SCREW	FULL	1/2"
(2) MIN. C-90 CMU	(1) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2 1/2"
FRAME MOUNTING CLIP			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).

(2) CMU IS APPLICABLE AT SIDES ONLY.

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.R.M. CHECKED BY: W.W.S.

PLOT: 1-24 DATE: 12/06/08

NO.	REVISION	DESCRIPTION	BY	DATE
1	1	UPDATE TO CURRENT STANDARDS	W.R.M.	10/20/11

WOOD DOUBLE & SINGLE HUNG IMPACT WINDOW WITH CONCEALED SPIRAL BALANCE SYSTEM

MANUFACTURER

PEETZ WINDOWS & DOORS
15951 S.W. 41ST STREET, SUITE 150
WESTON, FL 33331
954-659-3887

CONSULTANTS

W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

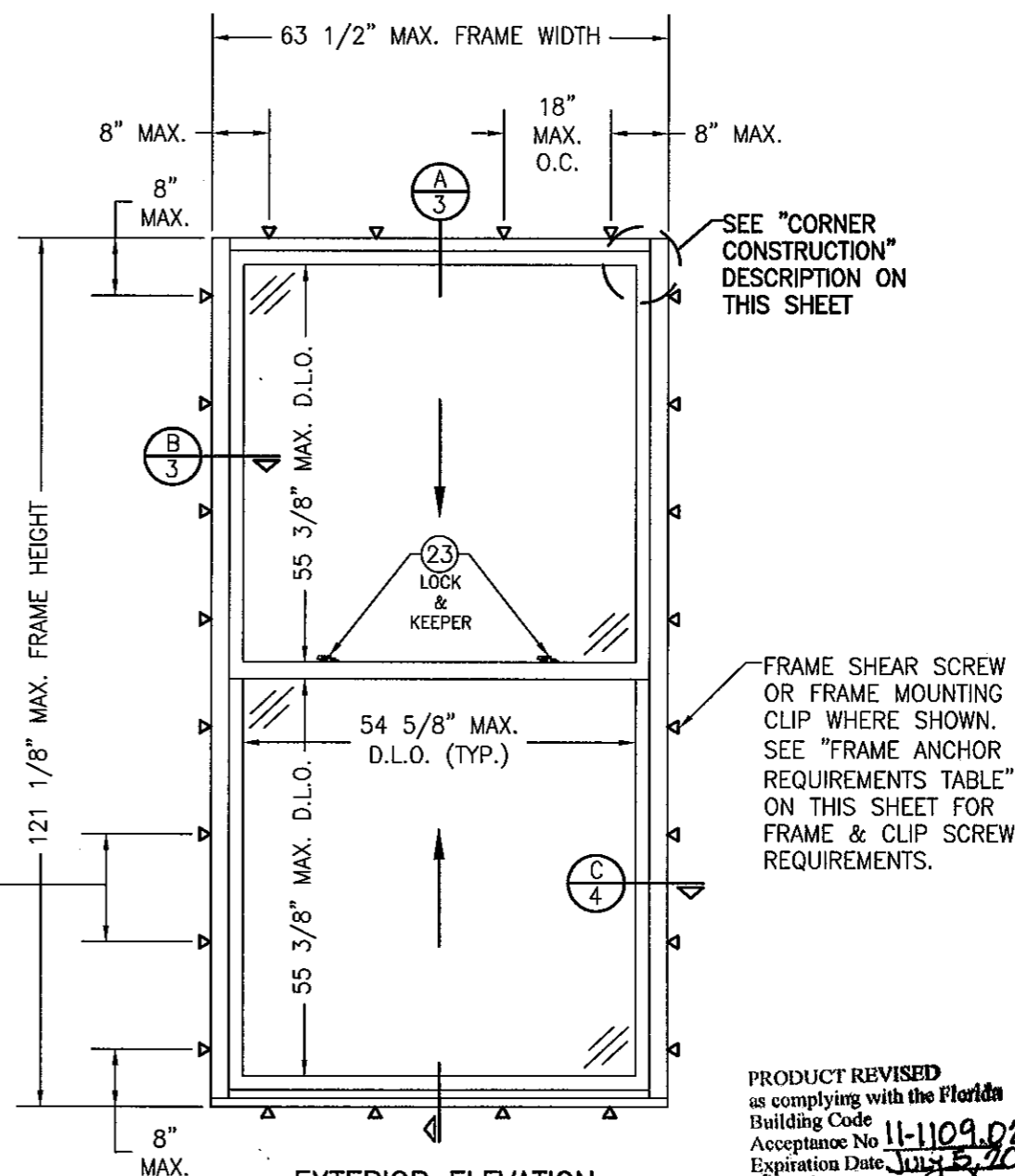
CERTIFICATION

OCT 26 2011

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1508 REV. A

SHEET NO. 1 OF 6



FRAME SCREW SPACING:
12" MAX. O.C. WHEN WINDOW FRAME WIDTH IS GREATER THAN 52".
15" MAX. O.C. WHEN WINDOW FRAME WIDTH IS 52" OR LESS.

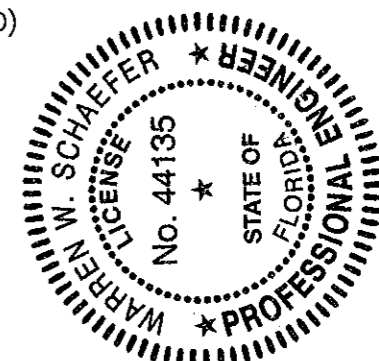
CLIP SPACING:
15" MAX. O.C. FOR ALL WINDOW SIZES

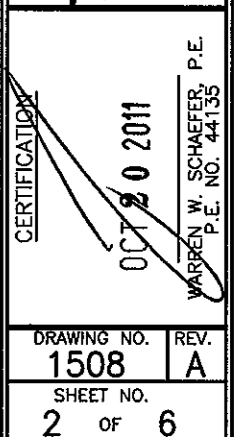
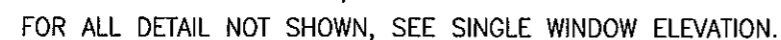
EXTERIOR ELEVATION
(SINGLE WINDOW)

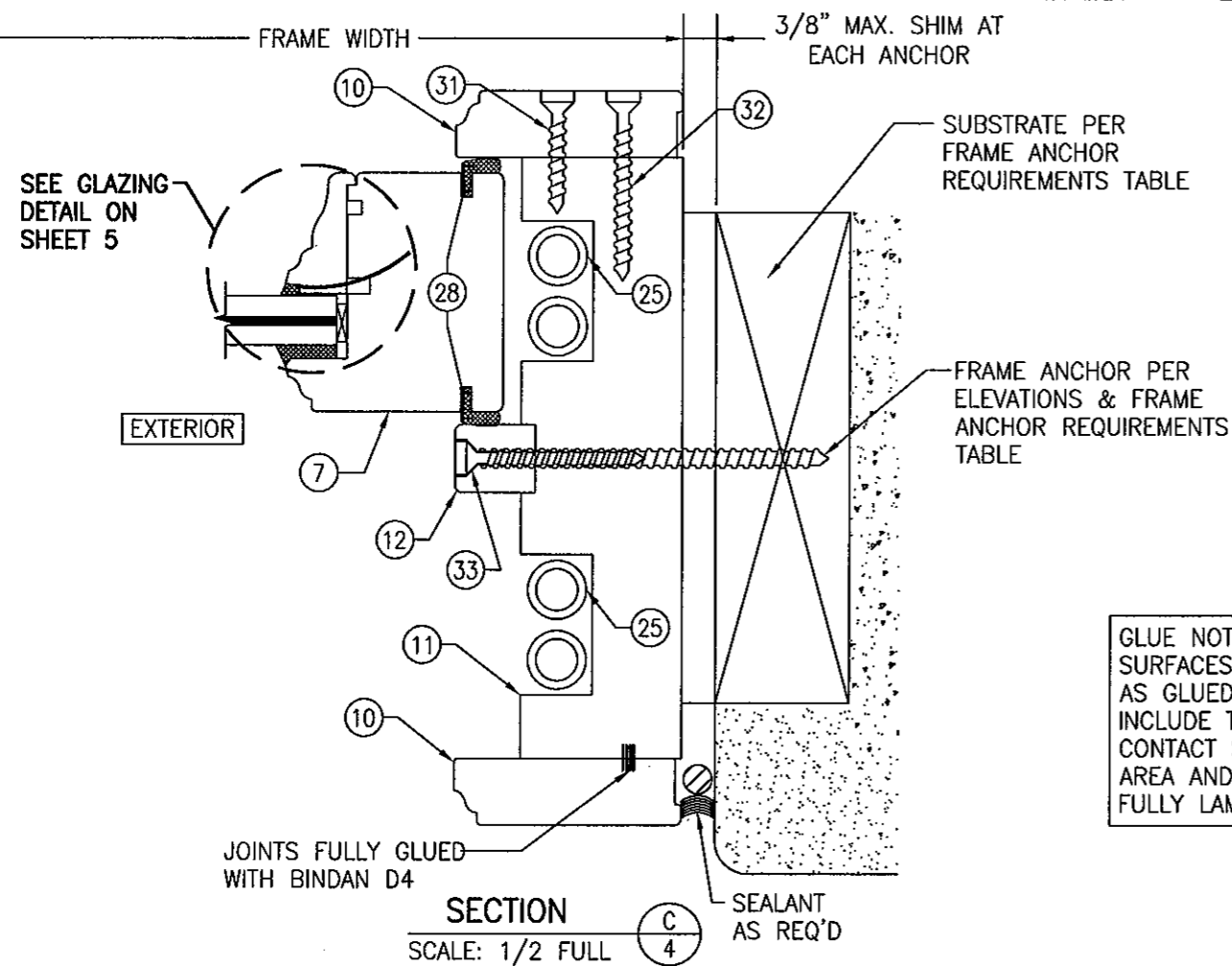
SCALE: 1/2"=1'-0"

(DOUBLE HUNG WINDOW SHOWN. SINGLE HUNG IS IDENTICAL EXCEPT THE TOP SASH IS FIXED)

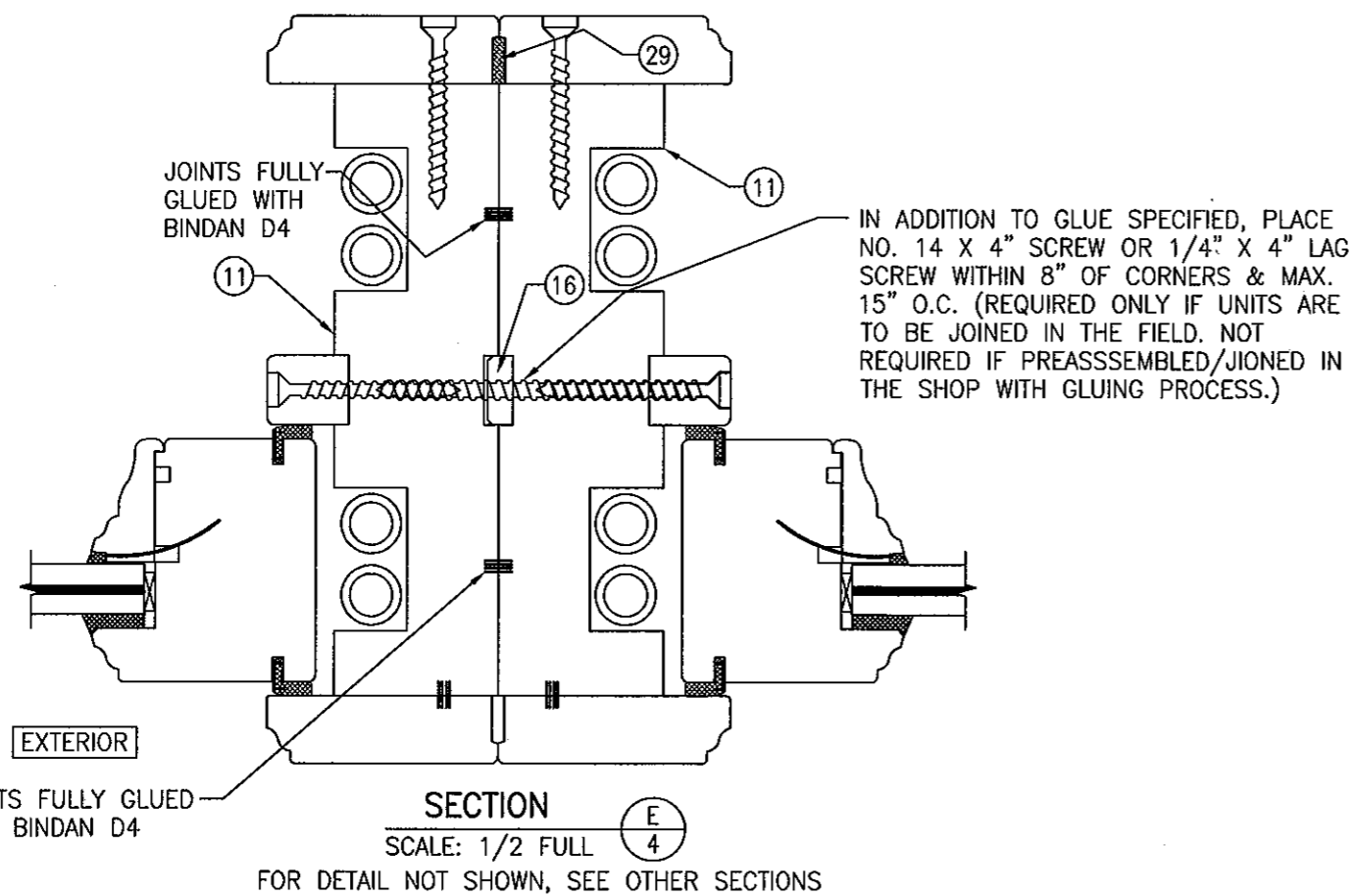
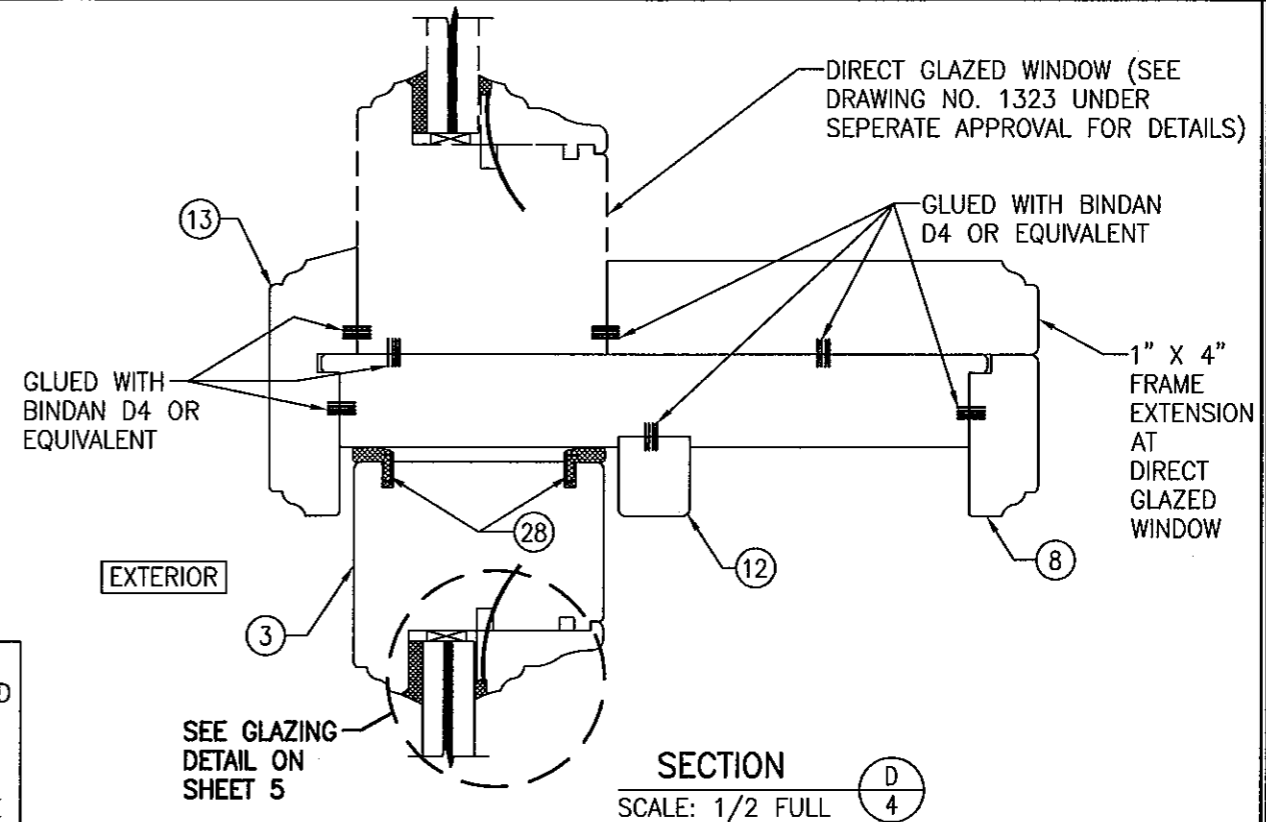
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1109.02
Expiration Date July 5, 2017
By *Manuel Perez*
Miami Dade Product Control



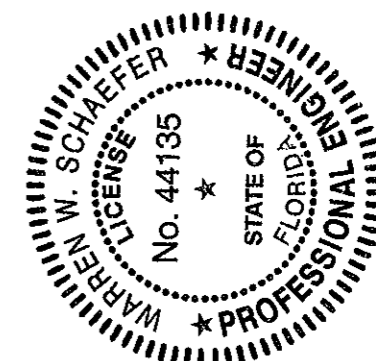




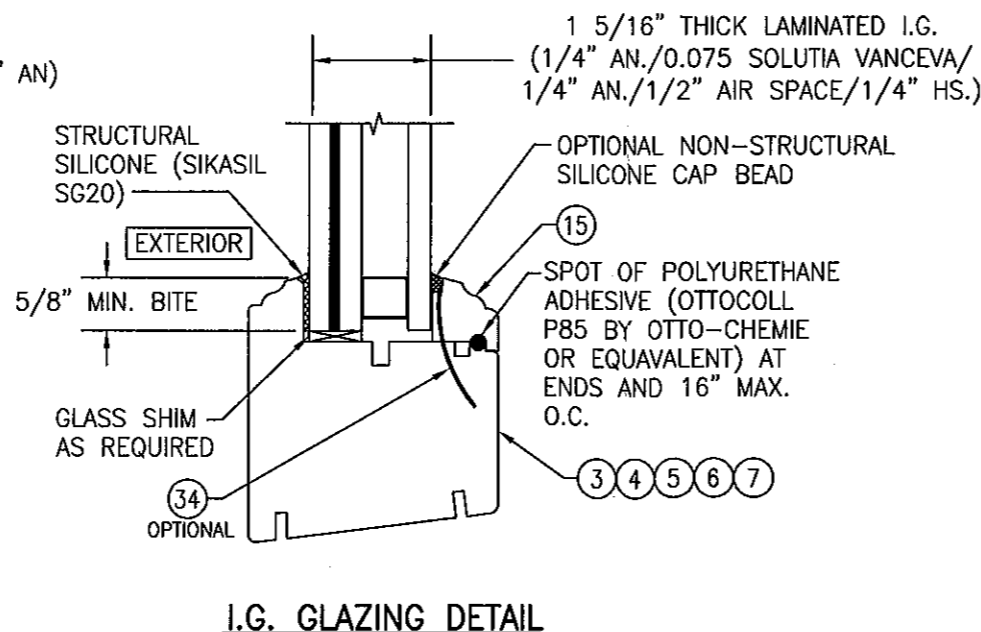
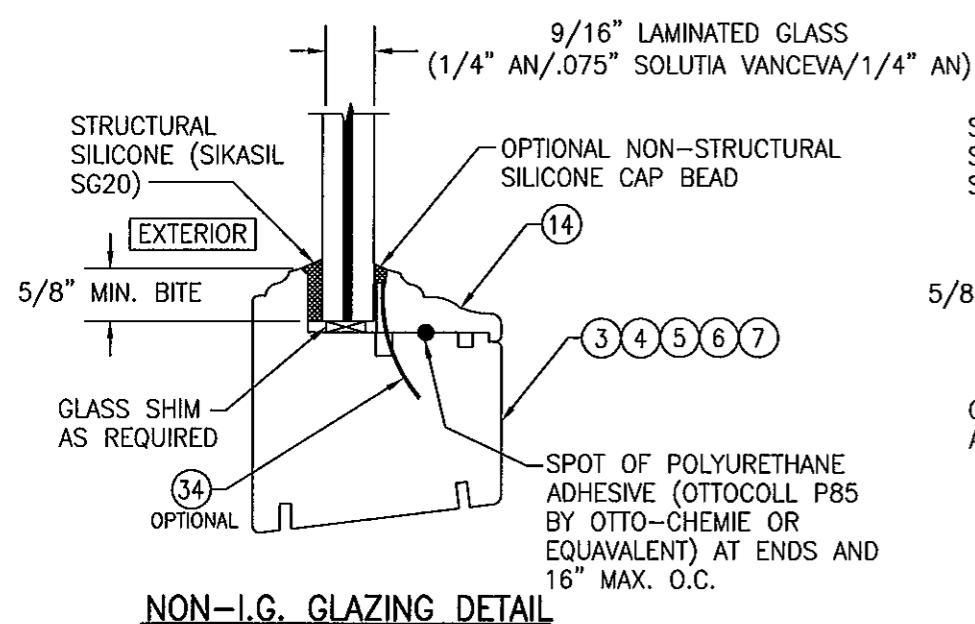
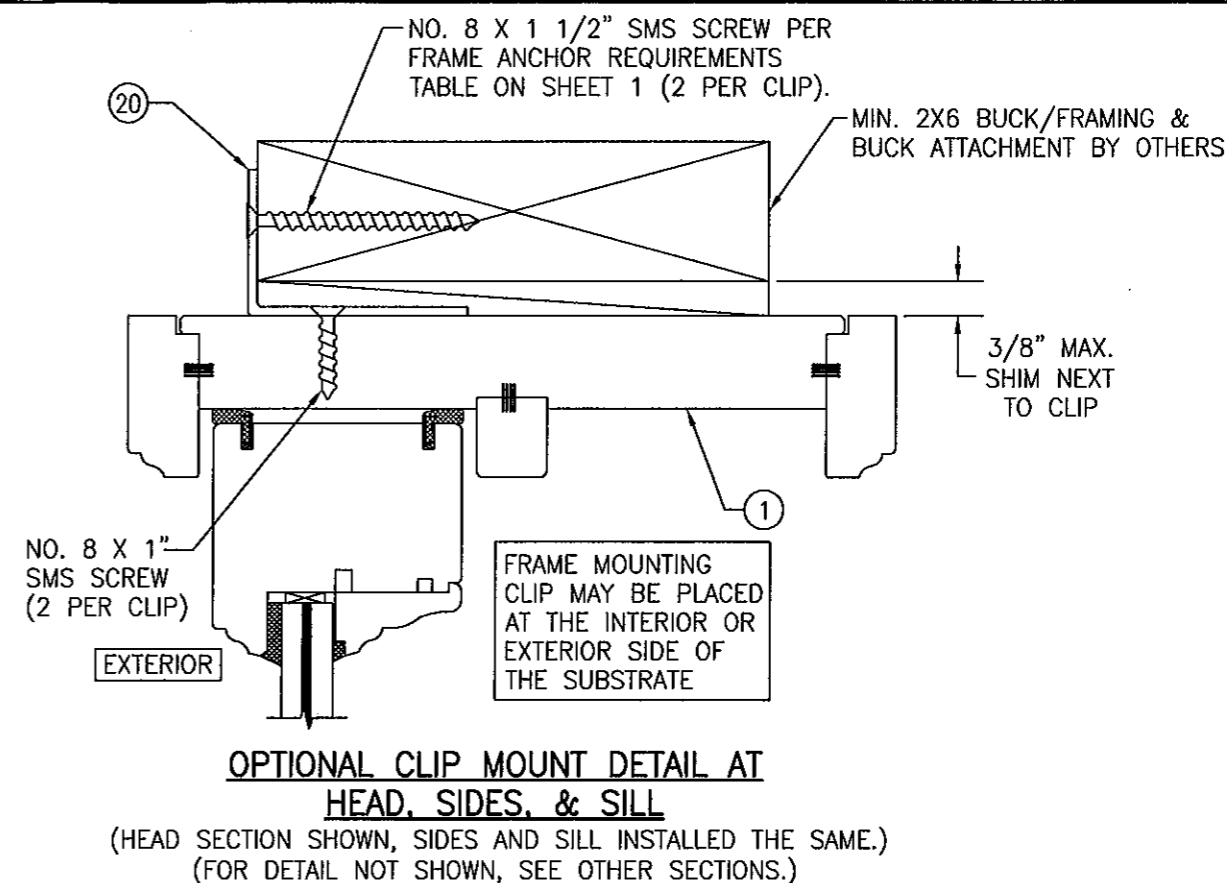
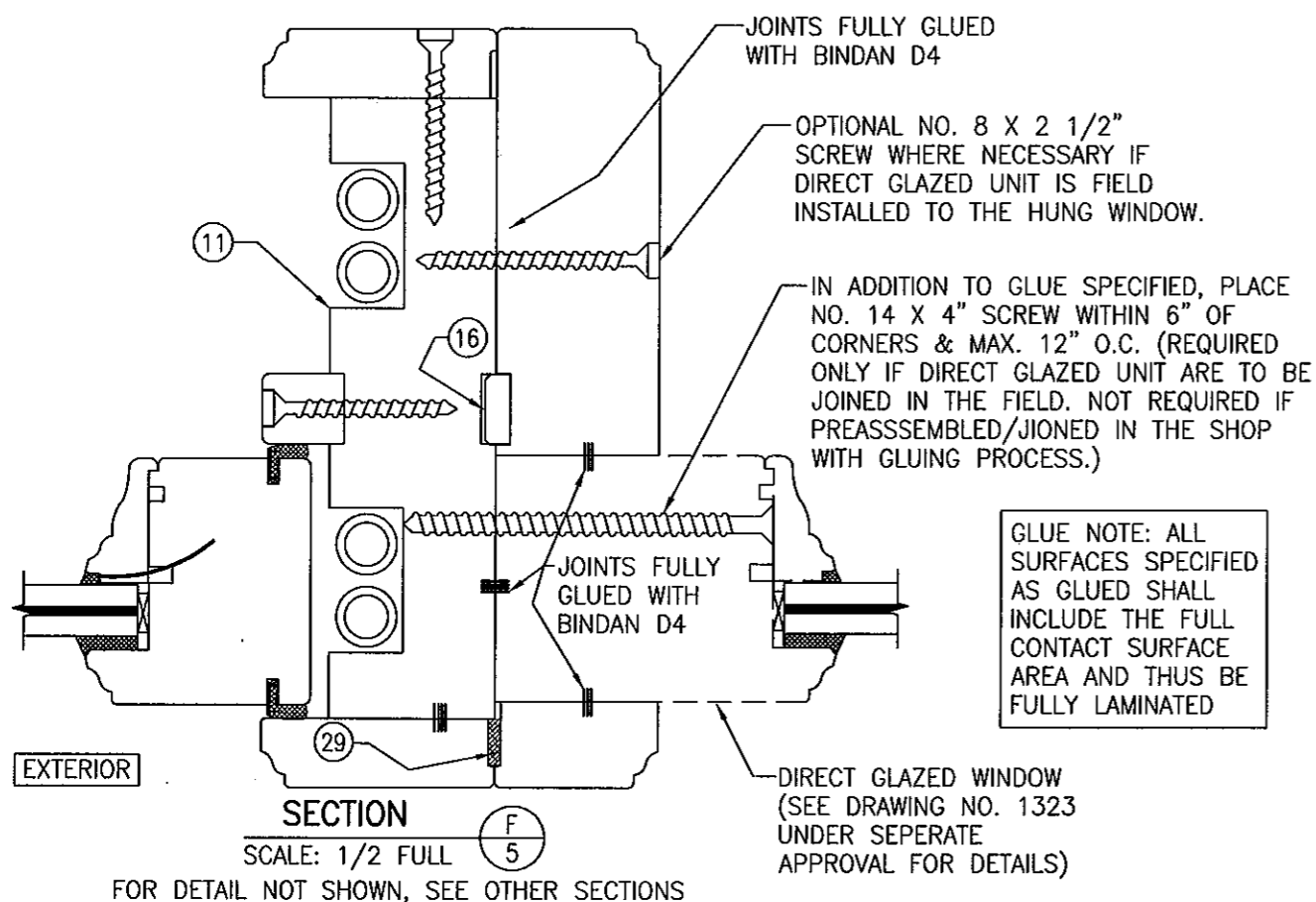
GLUE NOTE: ALL SURFACES SPECIFIED AS GLUED SHALL INCLUDE THE FULL CONTACT SURFACE AREA AND THUS BE FULLY LAMINATED



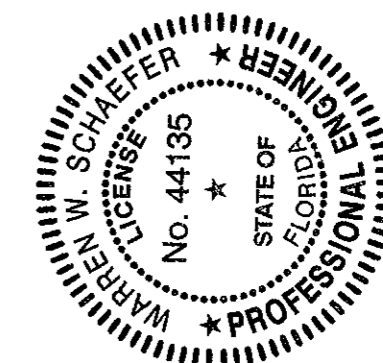
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1109.02
Expiration Date July 5, 2017
By *Warren W. Schaefer*
Miami Made Product Control



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 12/08/08
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE: WOOD DOUBLE & SINGLE HUNG IMPACT WINDOW WITH CONCEALED SPIRAL BALANCE SYSTEM	
MANUFACTURER: PEETZ WINDOWS & DOORS 15951 S.W. 41ST STREET, SUITE 150 WESTON, FL 33331 954-659-3887	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION	DATE: OCT 20 2011 By: WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1508	REV. A
SHEET NO. 4	OF 6



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1109-02
Expiration Date July 5, 2017
By *Mamuel J. Schaefer*
Miami Trade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 12/06/06	
NO.	REVISION	DESCRIPTION	DATE
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DRAWING TITLE: WOOD DOUBLE & SINGLE HUNG IMPACT WINDOW WITH CONCEALED SPIRAL BALANCE SYSTEM

MANUFACTURER: PEETZ WINDOWS & DOORS
15951 S.W. 41ST STREET, SUITE 150
WESTON, FL 33331
954-659-3887

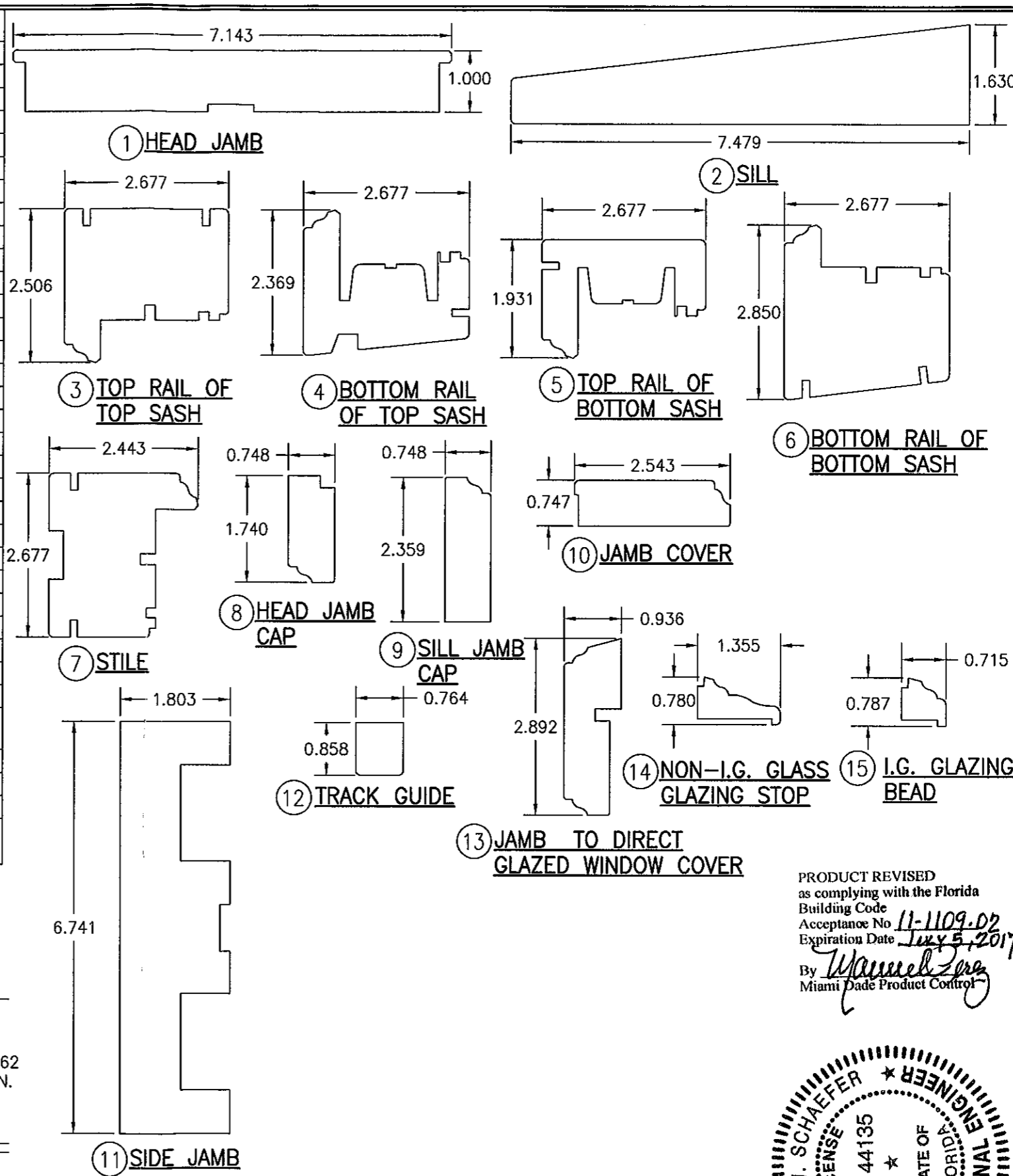
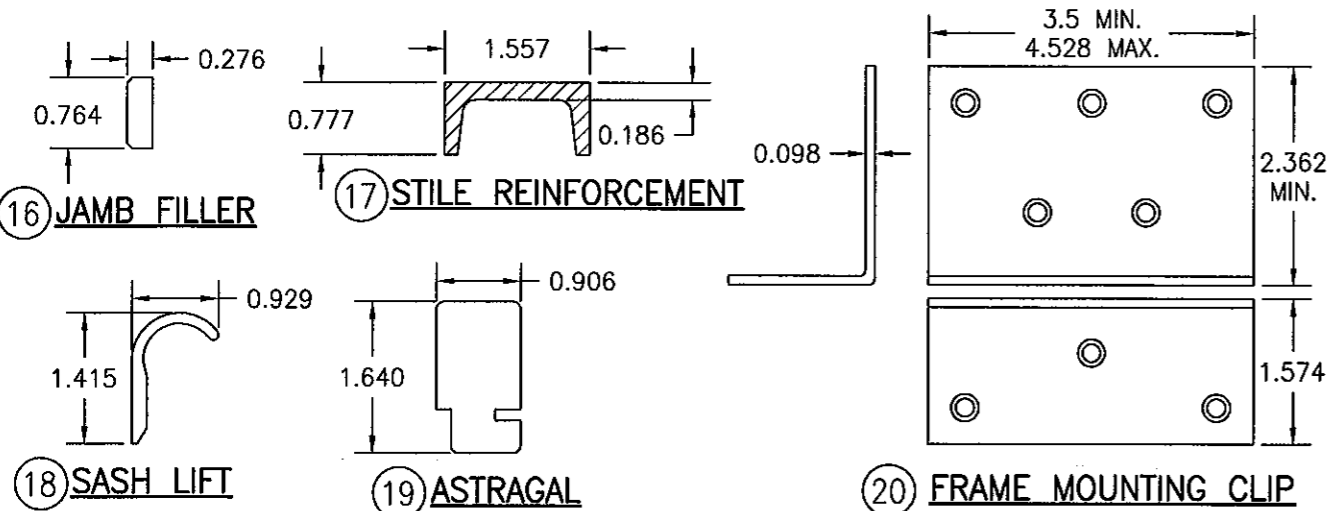
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION: 02/20/2011
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

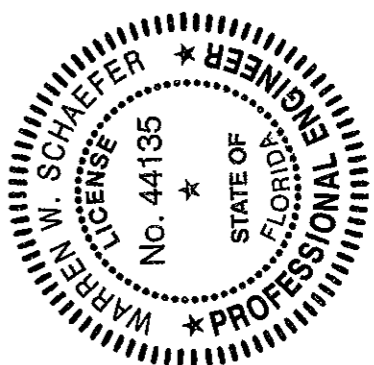
DRAWING NO. 1508
SHEET NO. 5 OF 6

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	HEAD/SIDE JAMB	MAHOGANY
2	SILL	MAHOGANY
3	TOP RAIL OF TOP SASH	MAHOGANY
4	BOTTOM RAIL OF TOP SASH	MAHOGANY
5	TOP RAIL OF BOTTOM SASH	MAHOGANY
6	BOTTOM RAIL OF BOTTOM SASH	MAHOGANY
7	FIXED STILE	MAHOGANY
8	HEAD JAMB CAP	MAHOGANY
9	SILL JAMB CAP	MAHOGANY
10	JAMB COVER	MAHOGANY
11	SIDE JAMB	MAHOGANY
12	TRACK GUIDE	MAHOGANY
13	JAMB TO DIRECT GLAZED WINDOW COVER	MAHOGANY
14	NON I.G. GLASS GLAZING STOP	MAHOGANY
15	I.G. GLASS GLAZING STOP	MAHOGANY
16	JAMB FILLER	MAHOGANY
17	STILE REINFORCEMENT	A36 STEEL
18	SASH LIFT	BY BRONZE CRAFT
19	ASTRAGAL	MAHOGANY
20	INSTALLATION CLIP	GALVANIZED 34.1 KSI STEEL OR S.S.
HARDWARE		
23	SASH LOCK	BY BRONZE CRAFT
25	SPIRAL BALANCE	UNIQUE
SEALS & SEALANTS		
28	COMPRESSION SEAL	SCHLEGEL
29	PRECOMPRESSED TAPE	-
FASTENERS		
31	NO. 8 X 1 3/8" WOOD SCREW	WITHIN 6" OF CORNERS & 10" MAX. O.C. (ONLY AT BOTTOM SASH LOCATION OF FRAME)
32	NO. 8 X 2" WOOD SCREW	WITHIN 1" OF CORNERS & 10" MAX. O.C.
33	NO. 7 X 2 3/4" WOOD SCREW	WITHIN 1 1/2" OF CORNERS & 12" MAX. O.C.
34	OPTIONAL 18 GA. X 1 1/4 GALV CURVED NAIL	WITHIN 10" OF CORNERS & 20" MAX. O.C.
35	NO. 8 X 2 1/2" SMS SCREW	4 PER TOP SASH EQUALLY SPACED (ONLY REQUIRED WITH SINGLE HUNG CONDITION)

NOTE: WOOD USED IN TESTING WAS MAHOGANY WITH A SPECIFIC GRAVITY OF G = 0.67 AND A MODULUS OF ELASTICITY OF E = 1,700,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.67 AND MODULUS OF ELASTICITY OF 1,700,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY PEETZ WINDOWS & DOORS TO SELECT.



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PLOT: 1-2	DATE: 12/06/06
DATE	BY
REVISION	DESCRIPTION
NO.	
DRAWING TITLE: WOOD DOUBLE & SINGLE HUNG IMPACT WINDOW WITH CONCEALED SPIRAL BALANCE SYSTEM	
MANUFACTURER: PEETZ WINDOWS & DOORS 15951 S.W. 41ST STREET, SUITE 150 WESTON, FL 33331 954-659-3887	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION	OCT 20 2011
DRAWING NO. 1508	REV. A
SHEET NO. 6 OF 6	